

ABSTRACT

System and method for generating hydrogen fuel for a fuel cell. The system has a reforming process device for implementing a reforming process that converts primary fuel to hydrogen. At least one cleaning device is included that cleans a flow of hydrogen fuel leaving the reforming process. The cleaning device includes a membrane (22) having selective permeability for CO, and the membrane (22) is essentially composed of ceramic material. Preferably, the system is adapted for inclusion on a vehicle.